

## Abstract

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Control of the operating mode of an internal combustion engine

- 5 The invention relates to a control method for controlling the operating mode of an IC engine, in which a control device comprises a device for sampling signals, a downstream arranged device for frequency analysis as well as a downstream arranged device for cylinder classification, in which at first a speed signal is detected and subsequently the speed signal is transformed into an angle-  
10 frequency-range, wherein the transformation is effected by means of a Hartley-transformation. The invention further relates to a device for controlling the operating mode of an IC engine of a motor vehicle by means of such method as well as an IC engine.

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Fig. 1

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